

FIG. 1

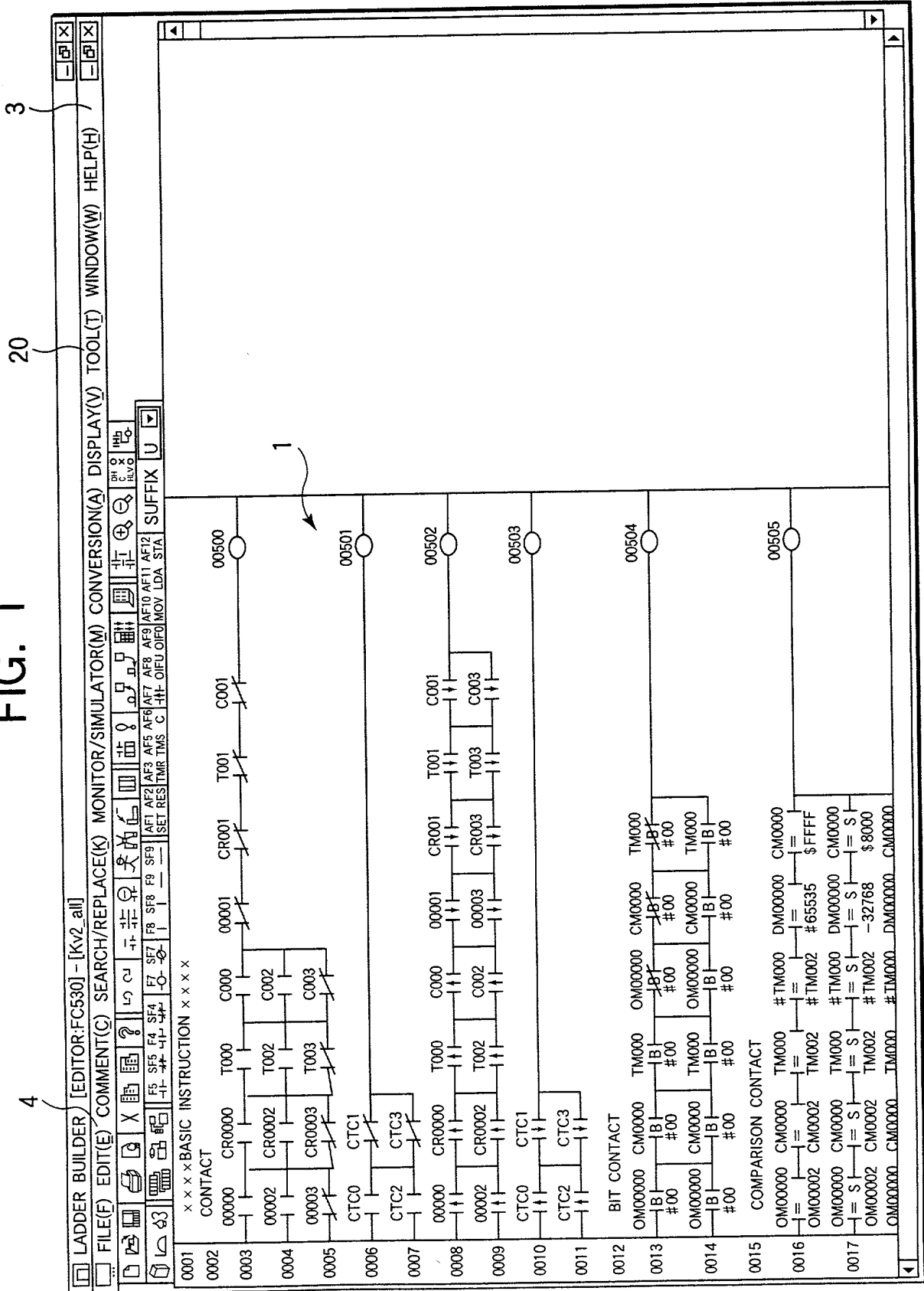


FIG. 2

LADDER BUILDER [EDITOR:FC530] [Kv2.all]

FILE(F) EDIT(E) COMMENT(C) SEARCH/REPLACE(K) MONITOR/SIMULATOR(M) CONVERSION(A) DISPLAY(V) TOOL(T) WINDOW(W) HELP(H)

☐ F5 SE5 F4 SE4 ☐ F7 SE7 F8 SE8 F9 SE9 ☐ AF1 AF2 AF3 AF5 AF6 AF7 AF8 AF9 AF10 AF11 AF12 ☐ SET RES1 TMR TMS C H H OIFU OIFQ MOV LDA STA SUFFIX U

1

INPUT OF INSTRUCTION WORD

☐ BASIC INSTRUCTION  
☐ CONTACT  
 ...LD ...LDB ...AND ...ANB ...OR ...ORB ...LDP ...LDF ...ANP ...ANF ...ORP ...ORF  
☐ BIT CONTACT  
☐ COMPARISON CONTACT  
☐ OUTPUT  
☐ TIMER-COUNTER  
☐ CONNECTION/END  
☐ APPLICATION INSTRUCTION  
☐ SHIFT  
☐ MEMORY SWITCH  
☐ STEP  
☐ STAGE PROCEEDING  
☐ FLOW  
☐ CALCULATION INSTRUCTION  
☐ DATA TRANSFER  
☐ ARITHMETIC/COMPARISON ARITHMETIC  
☐ LOGIC CALCULATION  
☐ DATA SHIFT  
☐ DATA CONVERSION  
☐ CALCULATION INSTRUCTION

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0001 CONTACT  
 0002 00000 CR0000 T000 C00  
 0003 00002 CR0002 T002 C00  
 0004 00003 CR0003 T003 C00  
 0005 CTC0 CTC1  
 0006 CTC2 CTC3  
 0007 00000 CR0000 T000 C00  
 0008 00002 CR0002 T002 C00  
 0009 CTC0 CTC1  
 0010 CTC2 CTC3  
 0011 BIT CONTACT  
 0012 0M00000 CM00000 TM000 IB1 #00  
 0013 0M00000 CM00000 TM000 IB1 #00  
 0014 0M00000 CM00000 TM000 IB1 #00  
 0015 COMPARISON CONTACT  
 0016 0M00000 CM00000 TM000 IB1 #00  
 0017 0M00000 CM00000 TM000 IB1 #00

TYPE OF INSTRUCTION WORD (K)  
 CONTACT 7  
 MNEMONIC (N) 17  
 LDF 8  
 A CONTACT WHERE A SCAN IS ON WHEN REFERENCE RELAY IS OFF IS CONNECTED TO BUS

SUFFIX-DIFFERENTIATION  
 0 1 2 3 4 5 6 7 8 9 10 11

OPERAND  
 FIRST OPERAND (1) CTC3  
 SECOND OPERAND (2)  
 THIRD OPERAND (3)  
 OPERAND DESCRIPTION  
 TYPE  
 CB CM TM PIM  
 0 1 2 3 4 5 6 7 8 9 10 11  
 VALUE  
 A B C D  
 7 8 9 E  
 4 5 6 F  
 1 2 3 -  
 0 . BS CLR

RANGE OF OPERAND 15  
 INSERTION WORD HELP (H) OK CANCEL

FIG. 3

[illegible]

FIG. 4

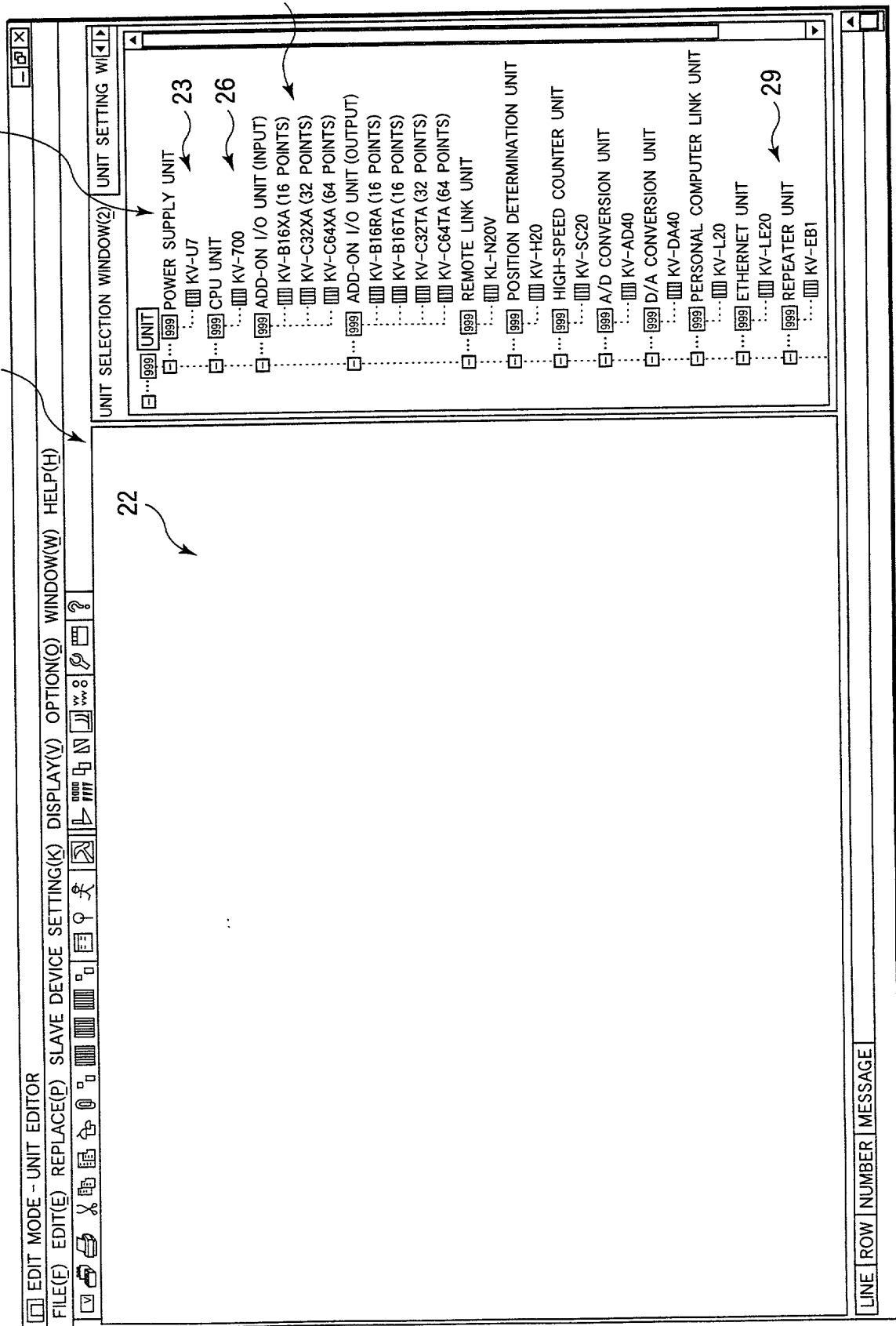


FIG. 5

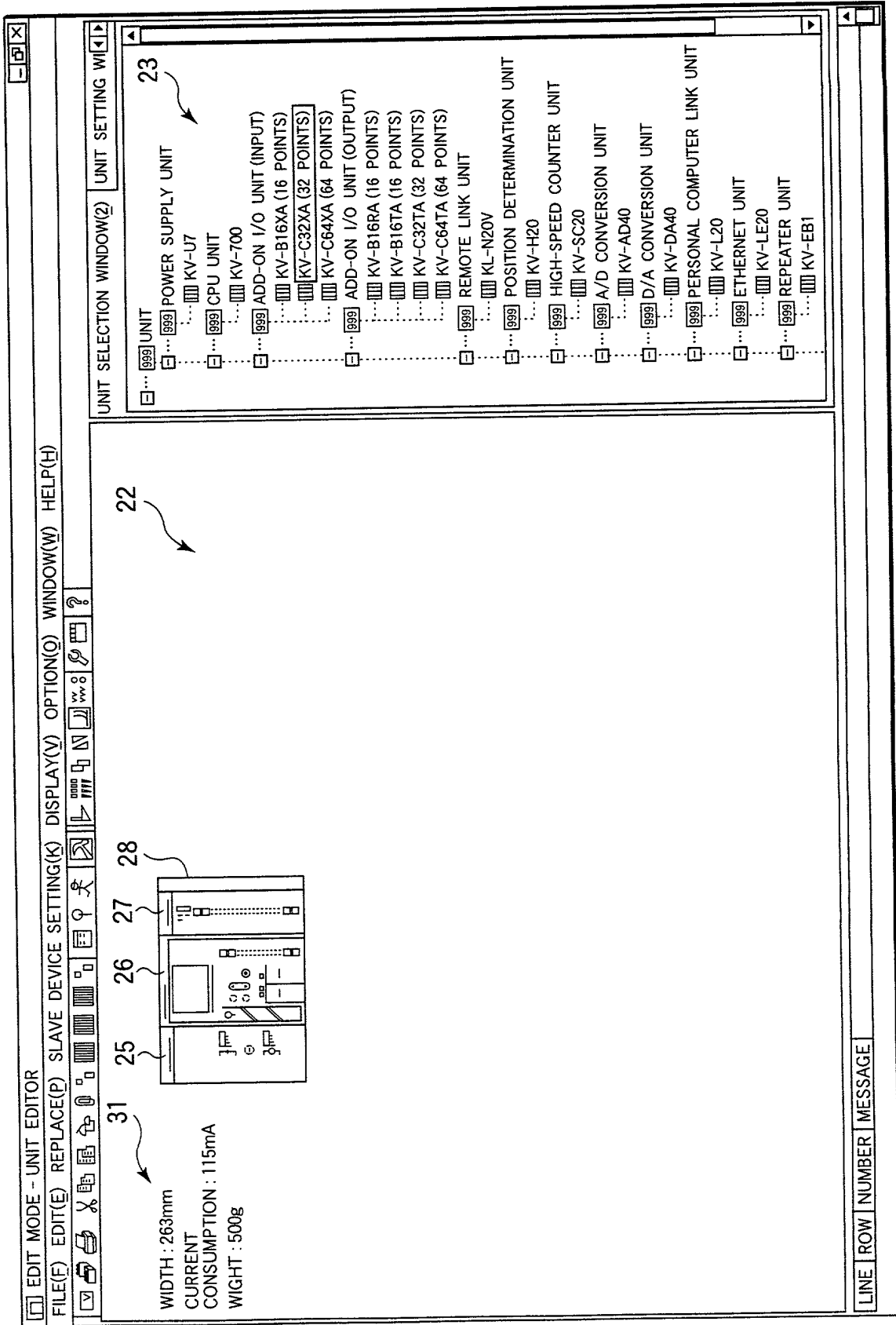


FIG. 6

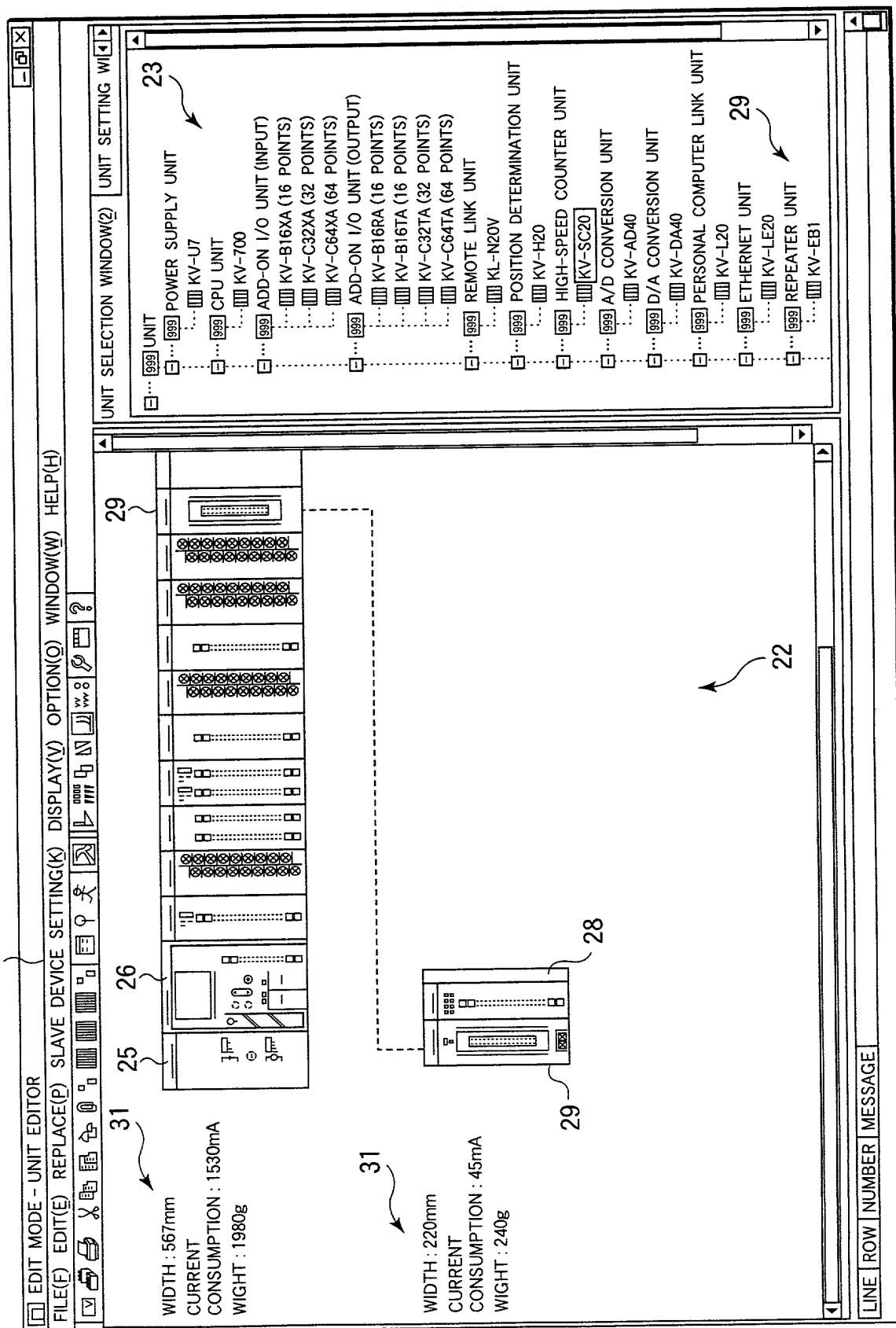


FIG. 7

EDIT MODE - UNIT EDITOR

FILE(F) EDIT(E) REPLACE(P) SLAVE DEVICE SETTING(K) DISPLAY(V) OPTION(O) WINDOW(W) HELP(H)

WIDTH : 567mm  
CURRENT CONSUMPTION : 1530mA  
WIGHT : 1980g

WIDTH : 220mm  
CURRENT CONSUMPTION : 45mA  
WIGHT : 240g

OPTION SETTING

BASIC SETTING COLOR SETTING DEVICE LAYOUT SETTING SETTING OF THE OTHERS

UNIT PLACEMENT WINDOW

DISPLAY MAGNIFICATION

☐ 200%(1) ☐ 75%(5)  
☐ 150%(2) ☐ 50%(6)  
☐ 125%(3) ☐ 25%(7)  
☐ 100%(4) ☐ DESIGNATION(8)

FONT SIZE (S)

12 POINT

\* SET FONT SIZE EXCEPT UNIT OPERATION WINDOW

☒ DISPLAY UNIT AS BIT MAP (B)  
☒ MOVE CURSOR BY BASE UNIT (C)  
☒ DISPLAY UNIT CURSOR AT ALL TIMES (V)  
☐ DISPLAY UNIT CURSOR BLINKING ON AND OFF (F)  
☐ DO CURSOR DRAW AT HIGH SPEED (M)  
 \* DO NOT CHECK WHEN MEMORY IS NOT ENOUGH  
 THERE IS POSSIBILITY THAT THE SPEED DECREASES DUE TO OPERATION ENVIRONMENT  
☐ MOVE CURSOR EXPANSION/REDUCTION (W) AND MAKE WITH WHEEL MOUSE  
 \* THERE IS POSSIBILITY THAT ONE CANNOT USE DUE TO VERSION OF MOUSE DRIVER/OS

34 OK CANCEL

UNIT SELECTION WINDOW(2) UNIT SETTING WINDOW(1)

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UNIT

☐ ... 999 POWER SUPPLY UNIT  
☐ ... 999 KV-U7  
☐ ... 999 CPU UNIT  
☐ ... 999 KV-700  
☐ ... 999 ADD-ON I/O UNIT (INPUT)  
☐ ... 999 KV-B16XA (16 POINTS)  
☐ ... 999 KV-C32XA (32 POINTS)  
☐ ... 999 KV-C64XA (64 POINTS)  
☐ ... 999 ADD-ON I/O UNIT (OUTPUT)  
☐ ... 999 KV-B16RA (16 POINTS)  
☐ ... 999 KV-B16TA (16 POINTS)  
☐ ... 999 KV-C32TA (32 POINTS)  
☐ ... 999 KV-C64TA (64 POINTS)  
☐ ... 999 REMOTE LINK UNIT  
☐ ... 999 KL-N20V  
☐ ... 999 POSITION DETERMINATION UNIT  
☐ ... 999 KV-H20  
☐ ... 999 HIGH-SPEED COUNTER UNIT  
☐ ... 999 KV-SC20  
☐ ... 999 A/D CONVERSION UNIT  
☐ ... 999 KV-AD40  
☐ ... 999 D/A CONVERSION UNIT  
☐ ... 999 KV-DA40  
☐ ... 999 PERSONAL COMPUTER LINK UNIT  
☐ ... 999 KV-L20  
☐ ... 999 ETHERNET UNIT  
☐ ... 999 KV-LE20  
☐ ... 999 REPEATER UNIT

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LINE ROW NUMBER MESSAGE

FIG. 8

EDIT MODE - UNIT EDITOR

FILE(F) EDIT(E) REPLACE(P) SLAVE DEVICE SETTING(K) DISPLAY(V) OPTION(Q) WINDOW(W) HELP(H)

UNIT SETTING WINDOW (3)

ITEM	SETTING VALUE
THE NUMBER OF HEAD OUTPUT RELAY	... 100
THE NUMBER OF USED RELAY (*)	... 16

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35A 35

KV-U7	KV-700 QL UN- CONNECTED	KV-C32XA UNSOLVED   UNSOLVED	KV-B16RA UNSOLVED   UNSOLVED	KV-B16TA UNSOLVED   UNSOLVED	KV-B16RA 10000   10015	KV-EB1
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KV-EB1	KV-SC20 UNSOLVED   UNSOLVED	END UNIT
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LINE ROW NUMBER MESSAGE





FIG. 10

WIDTH : 377mm  
CURRENT  
CONSUMPTION : 530mA  
WIGHT : 990g

KV-U7	KV-700 QL UN- CONNECTED	KV-B16RA 1000   1015	KV-C32XA	KV-B16TA UNSOLVED   UNSOLVED	KV-B16XA UNSOLVED   UNSOLVED	KV-EB1
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WIDTH : 138mm  
CURRENT  
CONSUMPTION : 200mA  
WIGHT : 360g

KV-EB1	KV-B16TA UNSOLVED   UNSOLVED	END UNIT
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UNIT SETTING WINDOW (3)

ITEM	SETTING VALUE
THE NUMBER OF HEAD INPUT RELAY ... 0	
THE NUMBER OF USED RELAY (*) ... 32	
INPUT TIME CONSTANT	40
	10ms (*)
	10ms (*)
	1ms
	25 μs

LINE

ROW

NUMBER

MESSAGE

FIG. 11

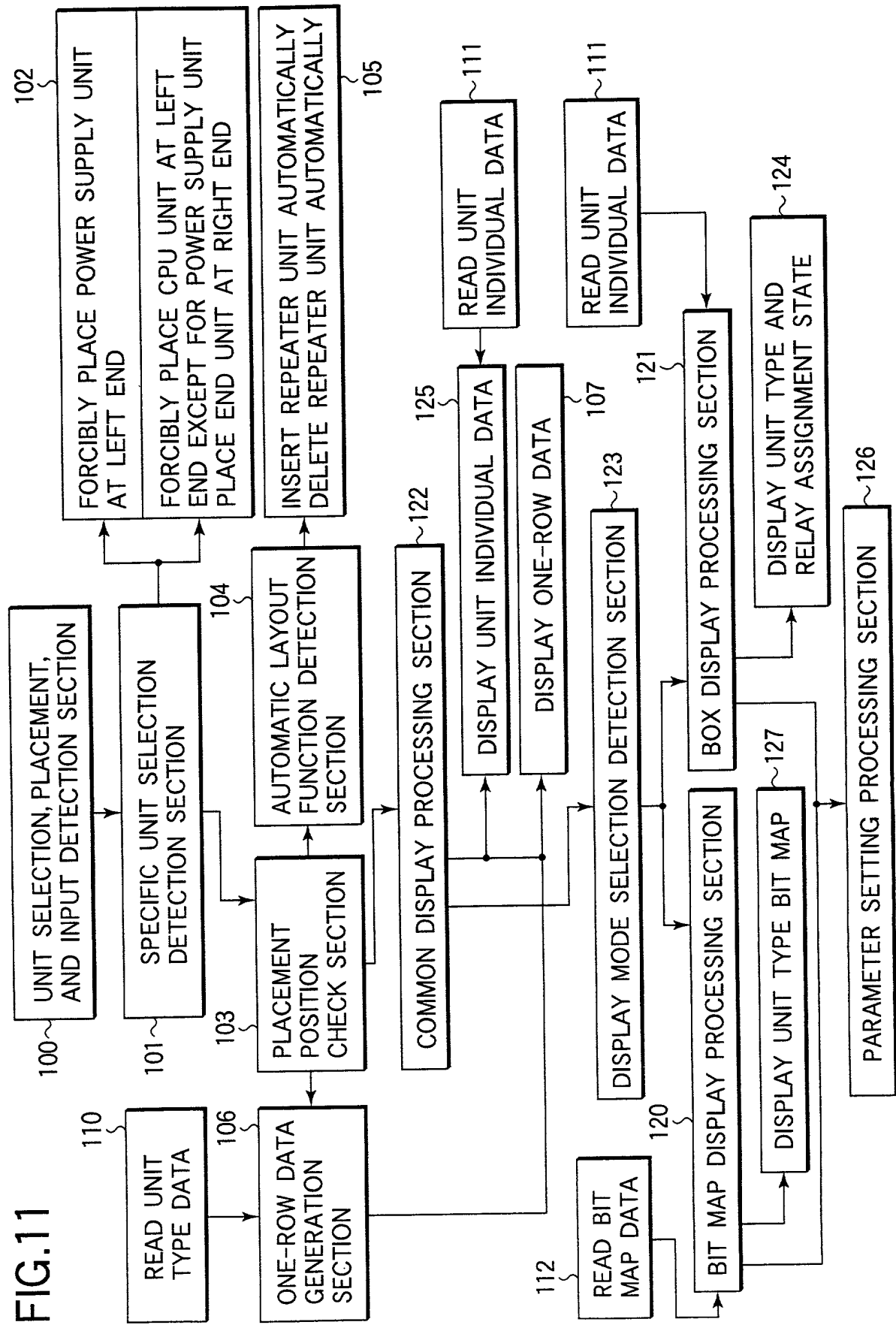


FIG.12

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UNIT TYPE DATA FILE		
16-POINT INPUT UNIT	32-POINT OUTPUT UNIT	POSITIONING UNIT
WIDTH OF UNIT	WIDTH OF UNIT	WIDTH OF UNIT
WEIGHT	WEIGHT	WEIGHT
CURRENT CONSUMPTION	CURRENT CONSUMPTION	CURRENT CONSUMPTION
CORRESPONDING BIT MAP ADDRESS	CORRESPONDING BIT MAP ADDRESS	CORRESPONDING BIT MAP ADDRESS

FIG.13

INDIVIDUAL DATA FILE
IDENTIFICATION NUMBER
UNIT TYPE
ASSIGNED RELAYS
OPERATION CONDITION PARAMETER

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FIG.14

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BIT MAP DATA FILE		
16-POINT INPUT UNIT	32-POINT OUTPUT UNIT	POSITIONING UNIT